

ZONGHUI HU

EDUCATION

- 2004 **PhD** Statistics, Texas A&M University
Dissertation: Semiparametric Functional Data Analysis for Longitudinal/Clustered Data:
Theory and Application

RESEARCH INTERESTS

Functional data analysis, semiparametric models, measurement error models, longitudinal data analysis, generalized linear models, biostatistics.

JOURNAL PUBLICATIONS

- Paul Nelson and **Zonghui Hu** (2000). Consistency of the synchronized traffic flow of Kerner with a diffusively corrected Lighthill-Whitham model. *Traffic and Transportation Studies, Proceedings of ICTTS 2000*, 594 – 601.
- Noah D. Cohen, **Zonghui Hu**, Scott D. Stanley and Naisyin Wang (2002). Comparison of the serum and urinary concentrations of clenbuterol with and without concurrent administration of furosemide in horses. *Veterinary Therapeutics*, 3: 316 – 325.
- **Zonghui Hu**, Naisyin Wang and Raymond J. Carroll (2004). Profile-kernel versus backfitting in the partially linear models for longitudinal/clustered data. *Biometrika*, 91, 251-262.
- Noah D. Cohen, **Zonghui Hu**, M. Keith Chaffin, Roger Smith III, Ronald J. Martens, and Naisyin Wang (2004). Age-related changes in hematologic parameters and lymphocyte subsets in foals from 2 farms with endemic *Rhodococcus equi* foal pneumonia. Submitted to *Journal of Veterinary Medical Science*.
- **Zonghui Hu** and Naisyin Wang (2004). Semiparametric approach for the mixed effects model in the study of colon carcinogenesis. Submitted to *Journal of the Royal Statistical Society, series B (JRSSB)*.

TECHNICAL REPORT

- **Zonghui Hu** (2003). Prevalence of radiographic changes and their association with racing performance in thoroughbred weaning, yearling and screened horses.

PRESENTATIONS

- August 2004, Joint Statistical Meeting (JSM), Toronto, Canada.
- July 2004, National Institute of Health (NIH), Bethesda, MD.
- June 2004, International Chinese Statistician Association (ICSA) Applied Statistics Symposium, San Diego, CA.

- June 2003, The Western North American Region of The International Biometric Society (WNAR), Golden, CO.
- March 2003, Texas A&M University Student Research Week, College Station, TX.
- March 2002, Texas A&M University Student Research Week, College Station, TX.

HONORS and AWARDS

June 2004 Student paper award and travel fellowship, The International Chinese Statistician Association (ICSA).
 June 2003 Student paper award and travel fellowship, The Western North American Region of The International Biometric Society (WNAR).
 2003- 2004 Authorized University Tuition Fellowship (AUTF), Texas A&M University.
 2000- 2001 Authorized University Tuition Fellowship (AUTF), Texas A&M University.

PROFESSIONAL MEMBERSHIPS

American Statistical Association (ASA).
 International Biometric Society (IBS).
 International Chinese Statistician Association (ICSA).